**LT1 Mapping Study Guide**

Maps

* Types of Maps and their purposes (Physical, climate, topographic, political, etc.) (II.1, Study Videos, textbook 1.3)
* Types of Map Projections (Cylindrical, Conic, Planar) and some examples (Mercator, Miller, Robinson, Peters, etc.) (II.1, study videos, textbook 1.3)

Latitude/Longitude (textbook 1.3, II.2, Lat./Long. HW’s, Exercise 10 Worksheet, study videos)

* Difference between latitude and longitude lines (parallels and meridians)
* Purpose of the lines
* 180° Longitude line, Prime Meridian, Equator
* What are Great Circles? (Lat./Long HW #6 Practice Packet Topic 4)
* Estimating locations using the Lat./Long. Coordinate system and correctly communicating the locations coordinates
* Relating degrees of latitude to minutes and seconds (not the units of time!)
* Relating global physical characteristics to latitude (II.3)
* Relating degrees of latitude/longitude to actual distance in miles/kilometers (Lat./Long HW #6 Practice Packet Topic 4)

Map Scale (Map Scale Lesson and practice exercises)

* Describe “scale” and “scale drawing/model”
* Correctly communicate a scale in one of three formats
* Determine the actual size/distance based on measured drawing/model and scale
* Determine the measured drawing/model size/distance based on actual size/distance and scale
* Determine the scale based on measured drawing/model size/distance and actual size distance

Topographic Maps (II.3, textbook 1.3, scanned reading of McDougal pgs 53-57, Longswamp practice HW, study videos)

* Describe the unique characteristics of topographic maps as compared to other map types
* Describe terrain characteristics and surface landforms using a topographic map
* Identify landmarks using a topographic map
* Determine elevation of locations using a topographic map
* Calculate gradient (slope) by determining relief and distance between two points using a topographic map